

U.S. Application No. 09/667,513

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered). Please AMEND claims 1-3, 5, 7, 8, 10-18, and 20 in accordance with the following:

1. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, each of the relay devices being respectively settled at corresponding location, comprising:

notifying from the terminal device, which is connected to a first relay device located in a first location, to the delivering source device of information specifying resources to be delivered and a second relay device located in a second location for receiving the resources;

delivering the resources specified by the notification from the delivering source device to the second relay device specified by the notification; and

delivering the resources from the second relay device to the terminal device according to an access from the terminal device.

2. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, each of the relay devices being respectively settled at corresponding location, comprising:

notifying from the terminal device, which is connected to a first relay device in a first location, to the delivering source device of information specifying a second relay device located in a second location for receiving resources from the delivering source device;

delivering resources from the delivering source device to the second relay device specified by the notification; and

delivering the resources from the second relay device to the terminal device according to an access from the terminal device.

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3. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

notifying from the terminal device, which is connected to a first relay device located in a first location, to the delivering source device of information specifying a first relay device located in a first location and second relay device located in a second location devices for receiving resources from the delivering source device;

delivering resources from the delivering source device to the first and the second relay devices; and

delivering the resources from the first or second relay device to the terminal device according to an access from the terminal device.

4. (Original) The method according to claim 3, wherein:

when the resources are delivered from the first relay device to the terminal device according to the access from the terminal device,

the resources are deleted from the first relay device;

the first relay device transmits a delivery completion notification to the second relay device; and

the resources are deleted from the second relay device, when the second relay system receives the delivery completion notification,.

5. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

notifying from a first terminal device, which is connected to a first relay device located in a first location, to the delivering source device of information specifying a second relay device located in a second location for receiving resources from the delivering source device;

delivering resources from the delivering source device to the second relay device specified by the notification;

delivering the resources from the second relay device to the first terminal device according to an access from the first terminal device; and

delivering the resources from the second relay device to a second terminal device according to an access from the second terminal device.

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6. (Previously Presented) The method according to claim 5, wherein the delivering source device does not deliver resources to the relay device when a notification of identical contents is received.

7. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

notifying from the terminal device, which is connected to a first relay device in a first location, to the delivering source device of information specifying a second relay device located in a second location for receiving resources from the delivering source device;

delivering resources from the delivering source device to the terminal device;

delivering resources from the delivering source device to the second relay device specified by the notification, when the delivering source device fails to deliver the resources to the terminal device; and

delivering the resources from the second relay device to the terminal device according to an access from the terminal device.

8. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

notifying from the terminal device, which is connected to a first relay device located in a first location, to the delivering source device of information specifying a first relay device located in a first location and second relay device located in a second location ~~devices~~ for receiving resources from the delivering source device;

delivering resources from the delivering source device to the first relay device;

delivering resources from the delivering source device to the second relay device, when the delivering source device fails to deliver the resources to the first relay device; and

delivering the resources from the first or second relay device to the terminal device according to an access from the terminal device.

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9. (Previously Presented) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

setting same destination information specifying a plurality of terminal devices in a plurality of relay devices;

supplying resources provided from the delivering source device to the plurality of relay devices;

the terminal device receiving the resources from any relay device among the plurality of relay devices; and

the plurality of relay devices notifying each other that the resources have been delivered to the terminal device, and discarding the resources when the resources are delivered to all of the plurality of terminal devices specified by the destination information.

10. (Currently Amended) A method of delivering resources used in a system where there is a relay device between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

notifying from a first terminal device, which is connected to a first relay device located in a first location, to the second relay device located in a second location of information specifying resources to be delivered;

said second relay device accessing a delivering source device which provides the specified resources, and obtaining the resources;

delivering the resources from the second relay device to the first terminal device according to an access from the first terminal device; and

said second relay device delivering the resources to a second terminal device without accessing the delivering source device when the information specifying the same resources obtained from the second terminal device.

11. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

notifying from the terminal device, which is connected to a first relay device located in a first location, to a first relay device located in a first location of information specifying resources to be delivered;

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the first relay device accessing a delivering source device which provides the specified resources, and obtaining the resources;

delivering the resources from the first relay device to a second relay device located in a second location; and

delivering the resources from the first or second relay device to the terminal device according to an access from the terminal device.

12. (Currently Amended) The method according to claim 1, wherein a logical identifier is used as information identifying the terminal device.

13. (Currently Amended) A method of delivering resources used in a system where there are a plurality of relay devices located in different locations between a delivering source device which delivers resources and a terminal device which receives the resources, and where the resources are delivered from the delivering source device to the terminal device through a relay device, wherein

one of a first method in which resources are delivered from the delivering source system to all relay devices, a second method in which resources are delivered only to a relay device specified by the mobile terminal device, and a third method in which resources are delivered to a relay device which receives information for specification of resources from the terminal device is selected and executed.

14. (Currently Amended) A resource delivering apparatus, used in a system including a plurality of relay devices located in different locations and a terminal device which can access the plurality of relay devices, each of the relay devices being respectively settled at a corresponding location, which delivers resources at a request from a terminal device, comprising:

an analysis unit receiving information from the terminal device and analyzing it, the information specifying a relay device which can be accessed by the terminal device; and

a delivering unit delivering resources to a relay device specified by the information based on the analysis result obtained by said analysis unit.

15. (Currently Amended) A relay device in a plurality of relay devices in a system where the plurality of relay devices exist in different locations between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

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a reception unit receiving information specifying resources to be delivered from the terminal device;

an obtaining unit accessing a delivering source device which provides resources specified by the information, and obtaining the resources;

a first delivering unit delivering the resources to another relay device; and

a second delivering unit delivering the resources to the terminal device according to an access from the terminal device.

16. (Currently Amended) A computer-readable storage medium, used in a system including a plurality of relay devices in different locations and a terminal device which can access the plurality of relay devices, each of the relay devices being respectively settled at a corresponding location, storing a program to be executed by a computer used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

a first program code receiving information from the terminal device and analyzing it, the information specifying a relay device which can be accessed by the terminal device; and

a second program code delivering resources to a relay device specified by the information.

17. (Currently Amended) A computer-readable storage medium, used in a system including a plurality of relay devices in different locations and a terminal device which can access the plurality of relay devices, each of the relay devices being respectively settled at a corresponding location, storing a program to be executed by a computer used in a system where there are a plurality of relay devices between a delivering source device which delivers resources and a terminal device which receives the resources, comprising:

a first program code receiving information specifying resources to be delivered from the terminal device;

a second program code accessing a delivering source device which provides resources specified by the information, and obtaining the resources;

a third program code delivering the resources to another relay device; and

a fourth program code delivering the resources to the terminal device according to an access from the terminal device.

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18. (Currently Amended) A system for delivering resources, comprising:
a delivering source device which delivers a resource;
a first terminal device which transmits information to the delivering source device and which receives the resource;
a second terminal device; and
a plurality of relay devices disposed in different locations between the delivering source device and the first and second terminal devices,
wherein the information specifies at least one of the relay devices,
wherein the specified relay device receives the resource from the delivering source device, and
wherein the second terminal device receives the resource from the specified relay device after the first terminal device receives the resource.

19. (Previously Presented) The system according to claim 18, wherein the delivering source device does not deliver a resource to the relay device when a notification of identical contents is received.

20. (Currently Amended) A method of delivering resources, comprising:
transmitting information specifying one of a plurality of relay devices in different locations fixed in a network from a terminal device to a source delivering device; and
delivering a resource from the source delivering device to the terminal device via the specified relay device.